

SUBSTITUTE Form PTO-1449 (Modified) NOV 18 2004 737,CFR 1.58(b)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-045001	Application No. 10/788,694
	Information Disclosure Statement by Applicant (Use several sheets if necessary)		
	Applicant Joseph A. Zupanick		Group Art Unit 3672
Filing Date February 27, 2004			

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
DPS	A1	3,744,565	07/10/1973	Brown			
	A2	4,060,130	11/29/1977	Hart			
	A3	4,651,836	03/24/1987	Richards			
	A4	4,776,638	10/11/1988	Hahn			
	A5	5,148,877	09/22/1992	MacGregor			
	A6	5,287,926	02/22/1994	Gruppig			
	A7	5,355,967	10/18/1994	Mueller et al.			
	A8	5,775,443	07/07/1998	Lott			
	A9	2002/043404 A1	04/18/2002	Trueman et al.			


2002/043404

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
DPS	B1	EP 1 316 673 A2	06/04/2003	EPO			N/A	
DPS	B2	SU-876968	10/30/1981	Russia				X

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
DPS	C1	PowerPoint Presentation entitled, "Horizontal Coalbed Methane Wells," by Bob Stayton, Computalog Drilling Services, date is believed to have been in 2002 (39 pages)
	C2	Denney, Dennis, "Drilling Maximum-Reservoir-Contact Wells in the Shaybah Field," SPE 85307, pages 60, 62-63, October 20, 2003
	C3	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (5 pages) and Written Opinion of the International Searching Authority (6 pages) re International Application No. PCT/US2004/012029 mailed September 22, 2004
	C4	Brunner, D.J. and Schwoebel, J.J., "Directional Drilling for Methane Drainage and Exploration in Advance of Mining," REI Drilling Directional Underground, World Coal, 1999, 10 pages
	C5	Thakur, P.C., "A History of Coalbed Methane Drainage From United States Coal Mines," 2003 SME Annual Meeting, February 24-26, Cincinnati, Ohio, 4 pages
	C6	U.S. Climate Change Technology Program, "Technology Options for the Near and Long Term," 4.1.5 Advances in Coal Mine Methane Recovery Systems, pp. 162-164

Examiner Signature 	Date Considered 3/28/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	